

PROCEEDINGS AT THE 759TH GENERAL MEETING

The 759th General Meeting of the Academy was held on Wednesday, May 12, 1982, at 1:00 p.m., Dr. Hiromi ARISAWA, President, taking the chair. Ninety-six members were present, and the following communications were made:

- Some considerations of origins of the scientific revolution
 Torataro SHIMOMURA, M. J. A.
 Kaitokudo and townsmen (chonins) Mataji MIYAMOTO, M. J. A.
 Remarks on the uniqueness in an inverse problem for the heat equation. II Takashi SUZUKI
 Euler's finite difference scheme and chaos in R^n Masayoshi HATA
 z -transformation by the new operator methods Sirō HAYABARA
 Calculus on Gaussian white noise. IV
 Izumi KUBO and Shigeo TAKENAKA
 Spectra of domains with small spherical Neumann boundary
 Shin OZAWA
 A complement to Trotter's product formula for nonlinear semigroups generated by the subdifferentials of convex functionals
 Simeon REICH
 Above six, communicated by Kōsaku YOSIDA, M. J. A.
 Object and color naming in chimpanzees (*Pan troglodytes*)
 Toshio ASANO, Tetsuya KOJIMA,
 Tetsuro MATSUZAWA, Kisou KUBOTA, and Kiyoko MUROFUSHI
 Asymmetry of the human autonomic nervous system under stimulation of the head by heat Tadanobu TSUNODA
 Kinetics of action of guanidine on the neuromuscular transmission
 Takashi MAENO, Mitsuyuki ICHINOSE, and Masashi SAWADA
 Above three, communicated by Yasuji KATSUKI, M. J. A.
 An ultrastructural study of extracellular matrix components of gastrulating *Xenopus laevis* embryos
 Shinji KOMAZAKI and Reiji HIRAKOW
 Communicated by Teizo OGAWA, M. J. A.
 On the identification of the intersection form on the middle homology group with the flat function via period mapping Kyoji SAITO
 Rational functions of (0, 1)-type on the two-dimensional complex projective space Hiroko KASHIWARA
 Conformally related product Riemannian manifolds
 Yoshihiro TASHIRO and In-Bae KIM
 Conformally related product Riemannian manifolds with Einstein parts
 Yoshihiro TASHIRO and In-Bae KIM
 Above four, communicated by Kunihiko KODAIRA, M. J. A.
 On the Killing radical of Lie triple algebras Michihiko KIKKAWA
 On formal groups over complete discrete valuation rings. I
 Keiichi OSHIKAWA
 Integral basis of the field $Q(\sqrt[3]{a})$ Kōsaku OKUTSU
 On certain generalized Gaussian sums Michio OZEKI
 Above four, communicated by Shokichi IYANAGA, M. J. A.
 A chromosome study in a case of Klinefelter's syndrome associated with diabetes mellitus and polycythemia vera

- Eiji HOSHINO, Noriko NAKADA,
Kazuyuki ISHITOBI, Masaki YAMASHITA, and Yoshimichi HARADA
Communicated by Sajiro MAKINO, M. J. A.
- Effects of denervation of pectoralis muscle of chicken with hereditary
muscular dystrophy . . . Tateki KIKUCHI and Shyuichi OHWADA
Communicated by Setsuro EBASHI, M. J. A.
- Surface antigen gene of hepatitis B virus (subtype adr) cloned in *E.*
coli Katsuro KOIKE, Midori KOBAYASHI, Katsuyuki
YAGINUMA, Masanori TAIRA, Takashi TAKAHASHI, and Yoji GOTO
Communicated by Toshio KUROKAWA, M. J. A.
- An interesting occurrence of a fossil reptile in the Cretaceous of the
Obira area, Hokkaido Tatsuro
MATSUMOTO, Ikuwo OBATA, Yoshihiko OKAZAKI, and Yasumitsu KANIE
Communicated by Teiichi KOBAYASHI, M. J. A.

After a recess during which the members present met in their respective sections, the General Meeting was resumed for business transactions.

The Chairmen of both Sections made reports on the matters dealt with at the respective Sectional Meetings.

The Meeting adjourned at 4:10 p.m.

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